

What is claimed is:

1. A scanner comprising:

a light-beam emitter for emitting a light beam;

a light-beam deflector for deflecting said light beam to scan a scanning surface;

a photo-detector provided at a position outside an image-forming scanning range of said scanning surface to detect a scanning light beam before said scanning light beam starts generating a scanning line in said image-forming scanning range;

a rotatable member located in front of an incident surface of said photo-detector, said rotatable member being rotatable about a rotational axis perpendicular to a plane defined by said scanning light beam by said deflector;

an optical member that is provided on said rotatable member, said optical member allowing said scanning light beam to pass therethrough to be incident upon said incident surface of said photo-detector;

a device for rotating said rotatable member about said rotational axis, said device comprising a circumferential gear formed on an outer peripheral surface of said rotatable member and a rotating tool engageable with said rotatable member to rotate said rotatable member about said rotational axis, said

rotating tool comprising a pinon gear which is engaged with  
said circumferential gear.